



UNIVERSITY  
OF ILLINOIS  
CENTENNIAL  
YEAR 1967-68

## WELCOME TO ENGINEERING OPEN HOUSE

This is the centennial year of the University of Illinois and guests of our campus are particularly welcome. Engineering Open House has developed a long established tradition in our College as being the student activity intended to roll out the red carpet and invite visitors from far and near to "be our guests." The exhibits, designed and displayed by students, are intended to show what an interesting and exciting profession engineering has come to be over our first century. We also hope that our demonstrations and explanations will help inform our younger visitors who are interested in becoming engineers. In any case, we hope you will know us better after your visit and our welcome will be so warm you will just have to come again.

W. L. EVERITT  
Dean

## DEPARTMENTAL CHAIRMEN

Aeronautical  
Lee S. Puryear

Agricultural Engineering  
Robert Adams

Ceramics  
Thomas G. Carlson

Chemical  
George A. McConaghy

Civil  
Fred L. Gau

Electrical  
John Knecht

General  
Arnold B. Bandstra

Metallurgy  
Edward Van Der Molen

Mechanical  
Tim N. Ringler, Stuart Simon

Physics  
Claus Rode

Theoretical and Applied Mechanics  
Tom Breuer

Industrial  
Mike O'Connor

Naval Science  
Charles Tipton

Army  
William E. Downing

Air Force  
Guy Douglas Pfeiffer

## CENTRAL COMMITTEE

General Chairman:  
Rex Hinkle

Adviser  
Prof. Richard Wright

Publicity  
Frank S. Morski

Awards and Exhibits  
John N. Aldrich

Tours  
Robert Giertz

High School Visitation  
Martin Potts

Centennial  
Fred Streicher

Space  
Jorden Libit

Traffic  
Mark W. Gernand

Information  
Harry Ekdahl

Personnel  
Bill Stonich

Safety  
Lawrence Leonard

Housing  
Ray Klingler

Graphic Arts  
Roslind Skirm



ENGINEERING  
OPEN HOUSE  
1967

MARCH 10 9 AM-8 PM

MARCH 11 9 AM-4 PM





## TOUR I

### MINING AND METALLURGY BUILDING

Rolling Metals  
Powder Metallurgy  
Diffusion of Radioactive Gold  
Solid State Phase Transformations  
Crystal Growth  
Corrosion Control  
Dislocation Structures

### ENGINEERING HALL

Computer Applications to Civil Engineering  
Railroad Projects  
Traffic Planning and Design  
Highway Construction  
Sanitary Engineering  
Hydraulics and Water Resources

### ELECTRICAL ENGINEERING BUILDING

Plato  
Laser  
Radar  
G-20 Computer  
Satellite  
Hi-Fi Systems  
Naval Science

### TALBOT LABORATORY

Dam Failure Study  
Metals Testing  
Fatigue and Fracture of Metals  
Photoelasticity  
Concrete Testing  
Programmed Testing Machines

### DEPARTMENT OF COMPUTER SCIENCE

Illiad Computers

### FOUNDRY AND WOODSHOP

Pouring Metals  
Molding Methods  
SCARAB Architecture Fraternity

### AERONAUTICAL ENGINEERING LABORATORY B

Ram Jet  
Supersonic and Subsonic Wind Tunnels  
Plasma Jet  
NASA Space Exhibit  
Orbits and Trajectories

### MECHANICAL ENGINEERING LABORATORY

Plasma Chamber  
Water Table  
Gemini Model  
Air Conditioning and Heating Equipment

## TOUR II

### MECHANICAL ENGINEERING BUILDING

Heat Treatment of Metals  
Internal Combustion Engine  
Mechanisms  
A.S.M.E.  
Pi Tau Sigma  
Friction Welding  
Fast-Buck Factory

### TRANSPORTATION BUILDING

Design Projects  
Physiological Equipment

### CERAMICS BUILDING

Ceramics Coatings  
Refractories  
Glass Technology  
Nuclear Ceramics

### PHYSICS BUILDING

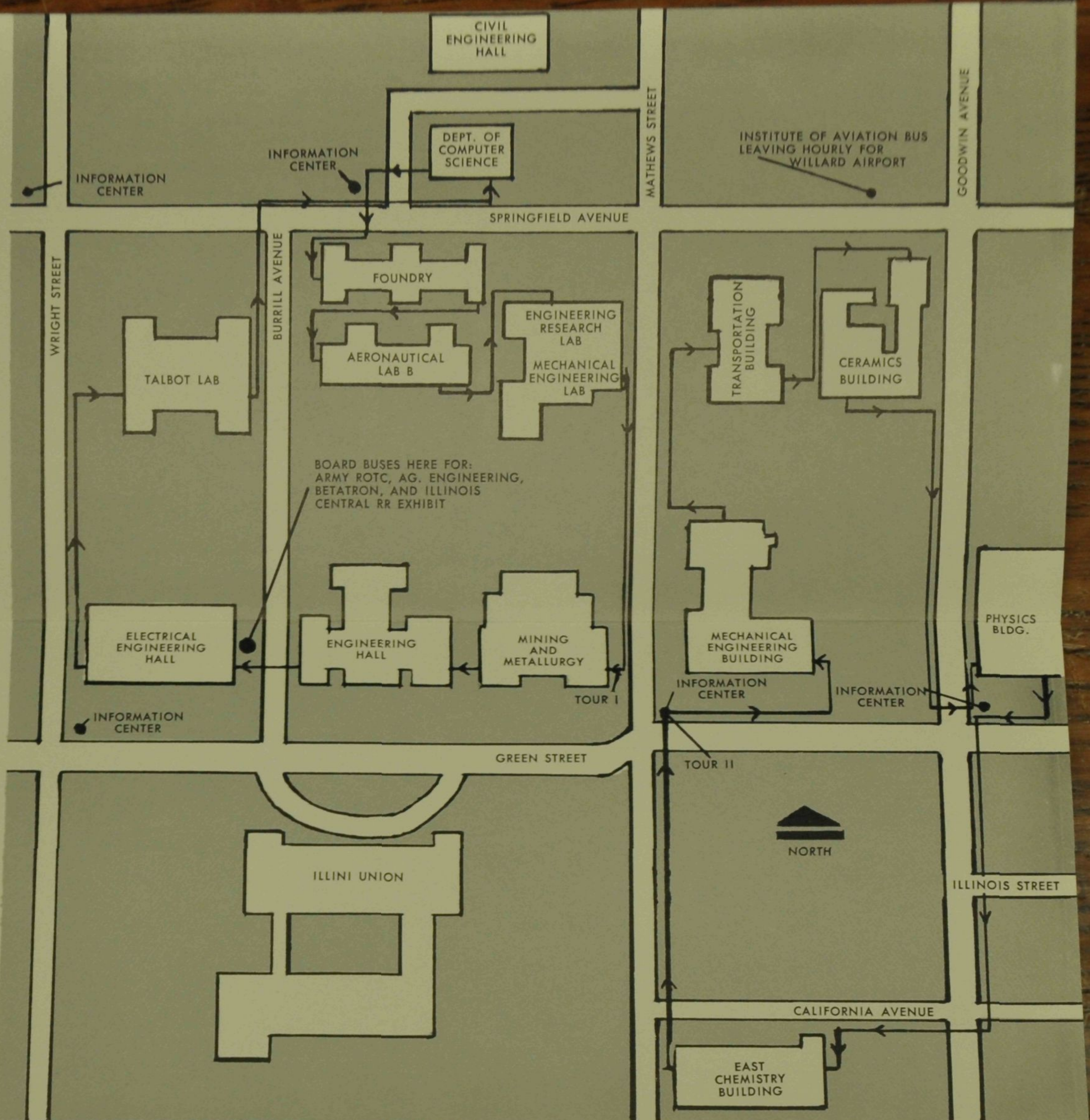
Holograms  
Micro Waves  
Models: Reactor, Betatron, and Cyclotron  
Lasers  
Undergraduate Lab Demonstrations  
Floating Wire  
Super Conductors  
Cryogenetics  
Junior Engineering and Technical Society

### EAST CHEMISTRY BUILDING

Distillation Column  
Kinetics of Reactions  
Rotary Filter  
Chem Magic Show  
Chem Pop  
Scaled Plant Models  
Movies

### MATHEWS STREET

Full Scale Gemini Mock-up  
Ford Turbine Powered Truck  
J-57 Jet Engine  
Motorcycle Dynamometer Testing



### TOUR THE CAMPUS BY BUS:

Obtain passes at the Information Centers  
and board any bus with an EOH sign.

### INSTITUTE OF AVIATION BUS STOPS (HOURLY)

BEHIND AERONAUTICAL LAB B  
BURRILL AND GREEN  
SIXTH AND ARMORY  
FOURTH AND GREGORY  
FIRST AND GREGORY

### SOUTH CAMPUS — AGRICULTURAL ENGINEERING

TRACTOR DYNAMOMETER TESTING  
ODORLESS WASTE DISPOSAL  
PILOTLESS PRIME MOVER  
WATERSHED HYDRAULICS

### ASSEMBLY HALL

PERSHING RIFLE SOCIETY  
MILITARY SCIENCE DEPARTMENT

### BUS for:

AGRICULTURAL ENGINEERING  
ARMY ROTC  
BETATRON  
ILLINOIS CENTRAL RR EXHIBIT

## OPEN HOUSE CENTRAL

- GENERAL INFORMATION
- TOURS AND BUSES INFORMATION

## ST. PAT'S BALL

Saturday, March 11, Engineering Council sponsors the annual St. Pat's Ball, from 9 P. M. to 1 A. M. in the Illini Union, Rooms A, B, and C. Music is by Bud Kornat and his Orchestra.

## JETS

The Junior Engineering and Technical Society is holding its 15th Annual Exposition and Conference for the Midwest Region and has exhibits in the Physics Building.